Author Index

ABO T. *see* TSUKAHARA A.
ACKERMANN L., PELKONEN J. & HARVIMA I.T. Staphylococcal enterotoxin B inhibits the production of interleukin-4 in a human mast-cell line HMC-1, 247
AGEMATSU K. *see* NAGUMO H.
AGSTERIBBE E. *see* DE HAAN L.
AIKOH T. *see* OTSUKI T.
ALDRICH C.J. *see* CHUN T.
ALLEN J.M. *see* NORMAN J.C.
ALLENDE L.M., CORELL A., MANZANARES J., MADRUGA D., MARCOS A., MADROÑO A., LÓPEZ-GOYANES A., GARCÍA-PÉREZ M.A., MORENO J.M., RODRIGO M., SANZ F. & ARNAIZ-VILLENA A. Immunodeficiency associated with anorexia nervosa is secondary and improves after refeeding, 543
ANDO Y. *see* NAKAGAWA H.
ANH D.D. *see* TRAO V.T.
ARNAIZ-VILLENA A. *see* ALLENDE L.M.
ATKINS R.C. *see* CHADBAN S.J.

BAI X.-F. *see* LI H.-L.
BAKKER J.M., BROUG-HOLUB E., KROES H., VAN REES E.P., KRAAL G. & VAN IWAARDEN J.F. Functional immaturity of rat alveolar macrophages during postnatal development, 304
BALDEÓN M.E. *see* CHUN T.
BAO S., BEAGLEY K.W., MURRAY A.M., CARISTO V., MATTHAEI K.I., YOUNG I.G. & HUSBAND A.J. Intestinal IgA plasma cells of the B1 lineage are IL-5 dependent, 181
BARILE S. *see* PIOLI C.
BEAGLEY K.W. *see* BAO S.
BEAR H.D. *see* KOS F.J.
BERGER J. *see* FÖLL J.L.
BERMUDEZ L.E., PETROFSKY M. & STEVENS P. Treatment with recombinant granulocyte colony-stimulating factor (Filgrastin®) stimulates neutrophils and tissue macrophages and induces an effective non-specific response against *Mycobacterium avium* in mice, 297
BERREBI A. *see* DEKEL B.
BEVERLEY P.C.L. *see* MAINI M.K.
BHATIA A., BLADES S., CAMBRIDGE G. & EDWARDS J.C.W. Differential distribution of FcγRIIIa in normal human tissues and co-localization with DAF and fibrillin-1: implications for immunological microenvironments, 56
BINKS M.H. *see* WOODHEAD V.E.
BIRD M.I. *see* PRIEST R.
BLADES S. *see* BHATIA A.
BLAHETA R.A., HAILER N.P., BRUDE N., WITTIG B., OPPERMANN E., LECKEL K., HARDER S., SCHOLZ M., WEBER S., ENCKE A. & MARKUS B.H. Novel mode of action of the calcium antagonist mibefradil (Ro 40-5967): potent immunosuppression by inhibition of T-cell infiltration through allogenic endothelium, 213
BLANCHARD M. *see* DE GUISE S.
BLANCHARD T.G., LYCKE N., CZINN S.J. & NEDRUD J.G. Recombinant cholera toxin B subunit is not an effective mucosal adjuvant for oral immunization of mice against *Helicobacter felis*, 22
BOOT H. *see* VYTH-DREESE F.A.
BOOTH T.W.M. *see* FAIRWEATHER D.
BORDMANN G., RUDIN W. & FAVRE N. Immunization of mice with phosphatidylcholine drastically reduces the parasitaemia of subsequent *Plasmodium chabaudi chabaudi* blood-stage infections, 35
BOROS D.L. & WHITFIELD J. R. Endogenous IL-10 regulates IFN-γ and IL-5 cytokine production and the granulomatous response in *Schistosomiasis mansoni*-infected mice, 481
BOROUGHS K.L. *see* SELINSKY C.L.
BOULOUGOURIS G. *see* WALKER L.S.K.
BOURQUE C.R. *see* SWITZER S.K.
BOUT D.T. *see* DIMIER I.H.
BOUTIN Y. *see* TKACZYK C.
BRIGGS C. *see* GARCIA C.
BRINER T.J. *see* SWITZER S.K.
BROUG-HOLUB E. *see* BAKKER J.M.
BROWN C.M.S. *see* FAIRWEATHER D.
BRUDE N. *see* BLAHETA R.A.
BRUNHAM R.C. *see* YANG X.
BRUNSBERG U. *see* ZHAO Y.-X.
BULMER J.N. *see* VASSILIADOU N.

CALDER P.C. *see* SANDERSON P.
CAMBRIDGE G. *see* BHATIA A.
CANAAN A. *see* DEKEL B.
CAO X.-R. *see* XIN K.-Q.
CARISTO V. *see* BAO S.
CASORATI G. *see* MAINI M.K.
CHADBAN S.J., TESCH G.H., FOTI R., LAN H.Y., ATKINS R.C. & NIKOLIC-PATERSON D.J. Interleukin-10 differentially modulates MHC class II expression by mesangial cells and macrophages *in vitro* and *in vivo*, 72
CHAIN B.M. *see* MARCINKIEWICZ J.
see also WOODHEAD V.E.
CHAPMAN A.J. *see* FAIRWEATHER D.
CHINNI C. *see* HOU L.
CHUN S. *see* MANICKAN E.
CHUN T., ALDRICH C.J., BALDEÓN M.E., KAWCZYNSKI L.V., SOLOSKI M.J. & GASKINS H.R. Constitutive and regulated expression of the class Ib molecule Qa-1 in pancreatic β cells, 64
CIPOLLARO DE L'ERO G. *see* GALDIERO M.
CLAASSEN E. *see* CLAASSEN I.J.T.M.
CLAASSEN I.J.T.M., OSTERHAUS A.D.M.E., POELEN M., VAN ROOIJEN N. & CLAASSEN E. Antigen detection *in vivo* after immunization with different presentation forms of rabies virus antigen, II. Cellular, but not humoral, systemic immune responses against rabies virus immune-stimulating complexes are macrophage dependent, 455
COHEN S.B.A. *see* DOMINGUEZ E.
COLNOT C., RIPOCHE M.-A., MILON G., MONTAGUTELLI X., CROCKER P.R. & POIRIER F. Maintenance of granulocyte numbers during acute peritonitis is defective in galectin-3-null mutant mice, 290
CORDEIRO DA SILVA A., ESPINOZA A.G., TAIBI A., OUAISSI A. & MINOPRIO P. A 24 000 MW *Trypanosoma cruzi* antigen is a B-cell activator, 189
CORELL A. *see* ALLENDE L.M.
COULSON P.S. *see* MABBOTT N.A.
CROCKER P.R. *see* COLNOT C.
CRUCHLEY A.T. *see* HOU L.
CUZZOCREA S. *see* VIRÁG L.
CZINN S.J. *see* BLANCHARD T.G.

DAHESHIA M. *see* MANICKAN E.
DANNECKER G.E. *see* FÖLL J.L.
see also WANG Z.-Q.
DANNECKER L. *see* FÖLL J.L.
DAVID B. *see* TKACZYK C.

DAVIDSON J., KERR A., GUY K. & ROTONDO D. Prostaglandin and fatty acid modulation of *Escherichia coli* O157 phagocytosis by human monocytic cells, 228
DAVIS W. *see* NORMAN J.C.
DAWSON R. *see* LIVERSIDGE J.
DE GUISE S., ERICKSON K., BLANCHARD M., DIMOLFETTO L., LEPPER H., WANG J., STOTT J.L. & FERRICK D.A. Characterization of a monoclonal antibody that recognizes a lymphocyte surface antigen for the cetacean homologue to CD45R, 207
DE HAAN L., VERWEIJ W.R., FEIL I.K., HOLTROP M., HOL W.G.J., AGSTERIBBE E. & WILSCHUT J. Role of G_{M1}-binding in the mucosal immunogenicity and adjuvant activity of the *Escherichia coli* heat-labile enterotoxin and its B subunit, 424
DE JONG D. *see* VYTH-DREESE F.A.
DE MARTINO L. *see* GALDIERO M.
DE WEGER R.A. *see* VYTH-DREESE F.A.
DEIWICK A. *see* RADDATZ G.
DEKEL B., MARCUS H., SHENKMAN B., SHIMONI A., SHECHTER Y., CANAAN A., BERREBI A., VARON D. & REISNER Y. Human/BALB radiation chimera engrafted with splenocytes from patients with idiopathic thrombocytopenic purpura produce human platelet antibodies, 410
DELLEMIJN T.A.M. *see* VYTH-DREESE F.A.
DICK A.D. *see* LIVERSIDGE J.
DIMIER I.H. & BOUT D. T. Interferon-γ-activated primary enterocytes inhibit *Toxoplasma gondii* replication, a role for intracellular iron, 488
DIMOLFETTO L. *see* DE GUISE S.
DOHLSTEN M. *see* LABUDA T.
DOMINGUEZ E., MADRIGAL J.A., LAYRISSE Z. & COHEN S.B.A. Fetal natural killer cell function is suppressed, 109
DORIA G. *see* PIOLI C.
DUDHANE A. *see* WANG Z.-Q.

EBERMAYER K. *see* WORM M.
EDWARDS J.C.W. *see* BHATIA A.
ELMLINGER M. *see* FÖLL J.L.
ENCKE A. *see* BLAHETA R.A.
ERICKSON K. *see* DE GUISE S.
ESPINOZA A.G. *see* CORDEIRO DA SILVA A.
ESTEBAN I. *see* GARCÍA-SUÁREZ O.

FAIRWEATHER D., LAWSON C.M., CHAPMAN A.J., BROWN C.M.S., BOOTH T.W.M., PAPADIMITRIOU J.M. & SHELLAM G.R. Wild isolates of murine cytomegalovirus induce myocarditis and antibodies that cross-react with virus and cardiac myosin, 263
FAVRE N. *see* BORDMANN G.
FEIL I.K. *see* DE HAAN L.
FERRICK D.A. *see* DE GUISE S.
FLOTO R.A. *see* NORMAN J.C.
FÖLL J.L., DANNECKER L., ZEHRER C., HETTMER S., BERGER J., ELMLINGER M., NIETHAMMER D., RANKE M.B. & DANNECKER G.E. Activation-dependent expression of the insulin-like growth factor binding protein-2 in human lymphocytes, 173
FORRESTER J.V. *see* LIVERSIDGE J.
FOTI R. *see* CHADBAN S.J.
FRAKER P.J. *see* OSATI-ASHTIANI F.
FRANDJI P. *see* TKACZYK C.
FRASCA D. *see* PIOLI C.
FUKUSHIMA J. *see* XIN K.-Q.

GABRIEL J.L. *see* GARCIA C.
GÄCHTER A. *see* NACHBAUR D.
GALDIERO M., DE MARTINO L., MARCATILI A., NUZZO I., VITIELLO M. & CIPOLLARO DE L'ERO G. Th1 and Th2 cell involvement in immune response to *Salmonella typhimurium* porins, 5
GARCIA C., BRIGGS C., ZHANG L., GUAN L., GABRIEL J.L. & ROGERS T.J. Molecular characterization of the putative T-cell receptor cavity of the superantigen staphylococcal enterotoxin B, 160
GARCÍA-PÉREZ M.A. *see* ALLENDE L.M.
GARCÍA-SUÁREZ O., HANNESTAD J., ESTEBAN I., SAINZ R., NAVES F.J. & VEGA J.A. Expression of the TrkB neurotrophin receptor by thymic macrophages, 235
GASKINS H.R. *see* CHUN T.
GLYSING-JENSEN T. *see* TOCCE K.
GOOD M.F. *see* ZEVERING Y.
GRABBE J. *see* WELKER P.
GRABOWSKA A. *see* MARCINKIEWICZ J.
GRÜTZKAU A. *see* WELKER P.
GUAN L. *see* GARCIA C.
GUY K. *see* DAVIDSON J.

HAAK-FRENDSCHO M., SABAN R., SHIELDS R.L. & JARDIEU P.M. Anti-immunoglobin E antibody treatment blocks histamine release and tissue contraction in sensitized mice, 115
HAILER N.P. *see* BLAHETA R.A.
HALL F.C. *see* MAINI M.K.
HALL N.D. *see* WALKER L.S.K.
HALSEY W.A. JR *see* SELINSKY C.L.
HAMAJIMA K. *see* XIN K.-Q.
HANNESTAD J. *see* GARCÍA-SUÁREZ O.
HAQUE M.A., KIMOTO M., INADA S., TOKUNAGA O. & KOHASHI O. Autoreactive $CD4^-$ $CD8^-$ αβ T cells to vaccinate adjuvant arthritis, 536
HARDER S. *see* BLAHETA R.A.
HARRIOTT P. *see* HOU L.
HARRISON P.T. *see* NORMAN J.C.
HARTMANN K. *see* WAGELIE-STEFFEN A.L.
HARVIMA I.T. *see* ACKERMANN L.
HASHIMOTO K. *see* SHIMIZU C.
HATAKEYAMA K. *see* TSUKAHARA A.
HAYASHI N. *see* KANTO T.
HAYGLASS K.T. *see* YANG X.
HÉBERT J. *see* TKACZYK C.
HEDEMAND J. *see* NIELSEN O.L.
HEDEMAND J.E. *see* LAURSEN S.B.
HEDLUND G. *see* LABUDA T.
HENZ B. *see* WORM M.
HENZ B.M. *see* WELKER P.
HEROLD M. *see* NACHBAUR D.
HETTMER S. *see* FÖLL J.L.
HOFFMANN M.K. *see* WANG Z.-Q.
HOL W.G.J. *see* DE HAAN L.
HOLMDAHL R. *see* ZHAO Y.-X.
HOLTROP M. *see* DE HAAN L.
HONSHO A. *see* XIN K.-Q.
HORI M. *see* KANTO T.
HOU L., KAPAS S., CRUCHLEY A.T., MACEY M.G., HARRIOTT P., CHINNI C., STONE S.R. & HOWELLS G.L. Immunolocalization of protease-activated receptor-2 in skin: receptor activation stimulates interleukin-8 secretion by keratinocytes *in vitro*, 356
HOWELL M.D. *see* SELINSKY C.L.
HOWELLS G.L. *see* HOU L.
HUONG P.L.T. *see* TRAO V.T.
HURME M. *see* KILPINEN S.
HUSBAND A.J. *see* BAO S.
HWANG S.Y. *see* LIM Y.S.

IIAI T. *see* TSUKAHARA A.
INADA S. *see* HAQUE M.A.
ISHII N. *see* XIN K.-Q.
ITO A. *see* KANTO T.

JARDIEU P.M. *see* HAAK-FRENDSCHO M.
JENSENIUS J.C. *see* LAURSEN S.B.
see also NIELSEN O.L.
JØRGENSEN P.H. *see* NIELSEN O.L.

KANG B.Y. *see* LIM Y.S.
KANTO T., HAYASHI N., TAKEHARA T., KATAYAMA K., ITO A., MOCHIZUKI K., KUZUSHITA N., TATSUMI T., SASAKI Y., KASAHARA A. & HORI M. Cross-linking of

Fcγ-receptor on monocytes inhibits hepatitis C virus-specific cytotoxic T-lymphocyte induction *in vitro*, 461
KAPAS S. *see* HOU L.
KASAHARA A. *see* KANTO T.
KATAYAMA K. *see* KANTO T.
KATZ D.R. *see* WOODHEAD V.E.
KAWAKAMI Y. *see* OTSUKI T.
KAWAMOTO S. *see* XIN K.-Q.
KAWCZYNSKI L.V. *see* CHUN T.
KERR A. *see* DAVIDSON J.
KHAMBOONRUANG C. *see* ZEVERING Y.
KILPINEN S. & HURME M. Low CD3 + CD28-induced interleukin-2 production correlates with decreased reactive oxygen intermediate formation in neonatal T cells, 167
KIM E.J. *see* LIM Y.S.
KIM H.M., SHIN H.Y. & LEE E.H. Morphological alterations in rat peritoneal mast cells by stem cell factor, 242
KIM S.H. *see* LIM Y.S.
KIM T.S. *see* LIM Y.S.
KIMOTO M. *see* HAQUE M.A.
KIMURA M. *see* SHIMIZU C.
KING L.E. *see* OSATI-ASHTIANI F.
KITA S. *see* OTSUKI T.
KOCH C. *see* LAURSEN S.B.
see also NIELSEN O.L.
KOHASHI O. *see* HAQUE M.A.
KOS F.J. & BEAR H. D. Involvement of protein kinase C-δ in CD28-triggered cytotoxicity mediated by a human leukaemic cell line YT, 575
KRAAL G. *see* BAKKER J.M.
KROES H. *see* BAKKER J.M.
KUBO M. *see* SHIMIZU C.
KUKLIN N. *see* MANICKAN E.
KULLBERG B.J. *see* NETEA M.G.
see also PEETERS A.C.T.M.
KUMAR N. & ZHENG H. Evidence for epitope-specific thymus-independent response against a repeat sequence in a protein antigen, 28
KUSAKA M. *see* OTSUKI T.
KUZUSHITA N. *see* KANTO T.

LABUDA T., WENDT J., HEDLUND G. & DOHLSTEN M. ICAM-1 costimulation induces IL-2 but inhibits IL-10 production in superantigen-activated human $CD4^+$ T cells, 496
LAMAN J.D. *see* VYTH-DREESE F.A.
LAN H.Y. *see* CHADBAN S.J.
LAURSEN S.B. *see* NIELSEN O.L.
LAURSEN S.B., HEDEMAND J.E., NIELSEN O.L., THIEL S., KOCH C. & JENSENIUS J. C. Serum levels, ontogeny and heritability of chicken mannan-binding lectin (MBL), 587
LAWSON C.M. *see* FAIRWEATHER D.
LAYRISSE Z. *see* DOMINGUEZ E.
LEARY S. *see* TOCCE K.
LECKEL K. *see* BLAHETA R.A.
LEE E.H. *see* KIM H.M.
LEE S.W. & SUNG Y.C. Immuno-stimulatory effects of bacterial-derived plasmids depend on the nature of the antigen in intramuscular DNA inoculations, 285
LEPPER H. *see* DE GUISE S.
LI H.-L., LIU J.-Q., BAI X.-F., VAN DER MEIDE P.H. & LINK H. Dose-dependent mechanisms relate to nasal tolerance induction and protection against experimental autoimmune encephalomyelitis in Lewis rats, 431
LI X.-K. *see* SHIMIZU C.
LIDINGTON E.A., MCCORMACK A.M., YACOUB M.H. & ROSE M.L. The effects of monocytes on the transendothelial migration of T lymphocytes, 221
LIM Y.S., KANG B.Y., KIM E.J., KIM S.H., HWANG S.Y. & KIM T.S. Potentiation of antigen-specific, Th1 immune responses by multiple DNA vaccination with an ovalbumin/interferon-γ hybrid construct, 135
LINK H. *see* LI H.-L.
LIU J.-Q. *see* LI H.-L.
LIVERSIDGE J., DAWSON R., DICK A.D. & FORRESTER J.V. Uveitogenic epitopes of retinal S-antigen are generated *in vivo* via an alternative antigen-presentation pathway, 271
LÓPEZ-GOYANES A. *see* ALLENDE L.M.
LU Y. *see* XIN K.-Q.
LUQMAN M. *see* SWITZER S.K.
LYCKE N. *see* BLANCHARD T.G.

MABBOTT N.A., COULSON P.S., SMYTHIES L.E., WILSON R.A. & STERNBERG J. M. African trypanosome infections in mice that lack the interferon-γ receptor gene: nitric oxide-dependent and -independent suppression of T-cell proliferative responses and the development of anaemia, 476
MACEY M.G. *see* HOU L.
MADRIGAL J.A. *see* DOMINGUEZ E.
MADROÑO A. *see* ALLENDE L.M.
MADRUGA D. *see* ALLENDE L.M.
MAINI M.K., WEDDERBURN L.R., HALL F.C., WACK A., CASORATI G. & BEVERLEY P.C.L. A comparison of two techniques for the molecular tracking of specific T-cell responses; $CD4^+$ human T-cell clones persist in a stable hierarchy but at a lower frequency than clones in the $CD8^+$ population, 529
MAJOOR D.M. *see* VYTH-DREESE F.A.
MALHOTRA R. *see* PRIEST R.
MANICKAN E., DAHESHIA M., KUKLIN N., CHUN S. & ROUSE B.T. Modulation of virus-induced delayed-type hypersensitivity by plasmid DNA encoding the cytokine interleukin-10, 129
MANZANARES J. *see* ALLENDE L.M.
MARCATILI A. *see* GALDIERO M.
MARCINKIEWICZ J., GRABOWSKA A. & CHAIN B.M. Modulation of antigen-specific T-cell activation *in vitro* by taurine chloramine, 325
MARCOS A. *see* ALLENDE L.M.
MARCUS H. *see* DEKEL B.
MARKUS B.H. *see* BLAHETA R.A.
MARMER D. *see* VIRÁG L.
MASTERS G. *see* TOCCE K.
MATSUKI T. *see* OTSUKI T.
MATTHAEI K.I. *see* BAO S.
MCCORMACK A.M. *see* LIDINGTON E.A.
MCLEOD J.D. *see* WALKER L.S.K.
MÉCHERI S. *see* TKACZYK C.
MEEUSEN E.N.T. *see* PREMIER R.R.
METCALFE D.D. *see* WAGELIE-STEFFEN A.L.
MILON G. *see* COLNOT C.
MINOPRIO P. *see* CORDEIRO DA SILVA A.
MITSUYAMA M. *see* XIONG H.
MOCHIZUKI K. *see* KANTO T.
MONTAGUTELLI X. *see* COLNOT C.
MOODYCLIFFE A.M. *see* ULLRICH S.E.
MOOKERJEA S. *see* RATNAM S.
MORENO J.M. *see* ALLENDE L.M.
MORODA T. *see* TSUKAHARA A.
MURRAY A.M. *see* BAO S.

NACHBAUR D., HEROLD M., GÄCHTER A. & NIEDERWIESER D. Modulation of alloimmune response *in vitro* by an IgM-enriched immunoglobulin preparation (Pentaglobin), 279
NAGUMO H. & AGEMATSU K. Synergistic augmentative effect of interleukin-10 and CD27/CD70 interactions on B-cell immunoglobulin synthesis, 388
NAKAGAWA H., SUNADA Y. & ANDO Y. Biological activities of C3βc, a novel neutrophil chemoattractant derived from the β-chain of rat complement C3, 253
NAKAMURA M., TSUNEMATSU T. & TANIGAWA Y. TCR-α chain-like molecule is involved in the mechanism of antigen-non-specific suppression of a ubiquitin-like protein, 142
NAKAYAMA T. *see* SHIMIZU C.
NAVES F.J. *see* GARCÍA-SUÁREZ O.
NEDRUD J.G. *see* BLANCHARD T.G.
NETEA M.G. *see* PEETERS A.C.T.M.
NETEA M.G., KULLBERG B.J. & VAN DER MEER J.W.M. Lipopolysaccharide-induced production of tumour necrosis factor

and interleukin-1 is differentially regulated at the receptor level: the role of CD14-dependent and CD14-independent pathways, 340
NIEDERWIESER D. *see* NACHBAUR D.
NIELSEN O.L. *see* LAURSEN S.B.
NIELSEN O.L., JØRGENSEN P.H., HEDEMAND J., JENSENIUS J.C., KOCH C. & LAURSEN S.B. Immunohistochemical investigation of the tissue distribution of mannan-binding lectin in non-infected and virus-infected chickens, 122
NIETHAMMER D. *see* FÖLL J.L.
NIKOLIC-PATERSON D.J. *see* CHADBAN S.J.
NORMAN J.C., HARRISON P.T., DAVIS W., FLOTO R.A. & ALLEN J.M. Lysomal routing of FcγRI from early endosomes requires recruitment of tyrosine kinases, 48
NUZZO I. *see* GALDIERO M.

OHYA S. *see* XIONG H.
OKUDA K. *see* XIN K.-Q.
OOMEN L.C.J.M. *see* VYTH-DREESE F.A.
OPPERMANN E. *see* BLAHETA R.A.
ORLIKOWSKY T. *see* WANG Z.-Q.
OSATI-ASHTIANI F., KING L.E. & FRAKER P.J. Variance in the resistance of murine early bone marrow B cells to a deficiency in zinc, 94
OSTERHAUS A.D.M.E. *see* CLAASSEN I.J.T.M.
OTSUKI T., SAKAGUCHI H., TOMOKUNI A., AIKOH T., MATSUKI T., KAWAKAMI Y., KUSAKA M., UEKI H., KITA S. & UEKI A. Soluble Fas mRNA is dominantly expressed in cases with silicosis, 258
OUAISSI A. *see* CORDEIRO DA SILVA A.

PAPADIMITRIOU J.M. *see* FAIRWEATHER D.
PATEL Y.I. *see* WALKER L.S.K.
PEETERS A.C.T.M., NETEA M.G., KULLBERG B.J., THIEN T. & VAN DER MEER J.W.M. The effect of renin–angiotensin system inhibitors on pro- and anti-inflammatory cytokine production, 376
PELKONEN J. *see* ACKERMANN L.
PERNIS B. *see* WANG Z.-Q.
PETROFSKY M. *see* BERMUDEZ L.E.
PIOLI C., PUCCI S., BARILE S., FRASCA D. & DORIA G. Role of mRNA stability in the different patterns of cytokine production by $CD4^+$ cells from young and old mice, 380
POELEN M. *see* CLAASSEN I.J.T.M.
POIRIER F. *see* COLNOT C.
PREMIER R.R. & MEEUSEN E.N.T. Lymphocyte surface marker and cytokine expression in peripheral and mucosal lymph nodes, 363
PRIDE M.W. *see* ULLRICH S.E.
PRIEST R., BIRD M.I. & MALHOTRA R. Characterization of E-selectin-binding epitopes expressed by skin-homing T cells, 523
PRIOR L. *see* TOCCE K.
PUCCI S. *see* PIOLI C.

RADDATZ G., DEIWICK A., SATO T. & SCHLITT H.J. Inhibition of cytotoxic alloreactivity by human allogeneic mononuclear cells: evidence for veto function of $CD2^+$ cells, 101
RAGO C. *see* TOCCE K.
RANKE M.B. *see* FÖLL J.L.
RATNAM S. & MOOKERJEA S. The regulation of superoxide generation and nitric oxide synthesis by C-reactive protein, 560
REISNER Y. *see* DEKEL B.
RIGGS J. *see* TOCCE K.
RIPOCHE M.-A. *see* COLNOT C.
RODRIGO M. *see* ALLENDE L.M.
ROGERS T.J. *see* GARCIA C.
ROOK G.A.W. *see* TRAO V.T.
ROSE M.L. *see* LIDINGTON E.A.
ROTONDO D. *see* DAVIDSON J.
ROUSE B.T. *see* MANICKAN E.
RUDIN W. *see* BORDMANN G.

SABAN R. *see* HAAK-FRENDSCHO M.
SAINZ R. *see* GARCÍA-SUÁREZ O.
SAKAGUCHI H. *see* OTSUKI T.
SALZMAN A.L. *see* VIRÁG L.
SANDERSON P. & CALDER P.C. Dietary fish oil diminishes lymphocyte adhesion to macrophage and endothelial cell monolayers, 79
SANSOM D.M. *see* WALKER L.S.K.
SANZ F. *see* ALLENDE L.M.
SASAKI S. *see* XIN K.-Q.
SASAKI Y. *see* KANTO T.
SATO T. *see* RADDATZ G.
SCHLITT H.J. *see* RADDATZ G.
SCHOLZ M. *see* BLAHETA R.A.
SCOTT G.S. *see* VIRÁG L.
SELINSKY C.L., BOROUGHS K.L., HALSEY W.A. JR & HOWELL M.D. Multifaceted inhibition of anti-tumour immune mechanisms by soluble tumour necrosis factor receptor type I, 88
SHAPSHAK P. *see* XIN K.-Q.
SHECHTER Y. *see* DEKEL B.
SHELLAM G.R. *see* FAIRWEATHER D.
SHENKMAN B. *see* DEKEL B.
SHIELDS R.L. *see* HAAK-FRENDSCHO M.
SHIMIZU C., LI X.-K., KIMURA M., HASHIMOTO K., SUGAYA K., KUBO M., SUZUKI S. & NAKAYAMA T. A novel immunosuppressant, FTY720, increases the efficiency of a superantigen-induced peripheral T-cell deletion whilst inhibiting negative selection in the thymus, 503
SHIMONI A. *see* DEKEL B.
SHIN H.Y. *see* KIM H.M.
SMYTHIES L.E. *see* MABBOTT N.A.
SOLOSKI M.J. *see* CHUN T.
STERNBERG J.M. *see* MABBOTT N.A.
STEVENS P. *see* BERMUDEZ L.E.
STONE S.R. *see* HOU L.
STOTT J.L. *see* DE GUISE S.
SUGAYA K. *see* SHIMIZU C.
SUNADA Y. *see* NAKAGAWA H.
SUNG Y.C. *see* LEE S.W.
SUNSHINE G.H. *see* SWITZER S.K.
SUPPIAH K. *see* TOCCE K.
SUZUKI S. *see* SHIMIZU C.
see also TSUKAHARA A.
SWITZER S.K., WALLNER B.P., BRINER T.J., SUNSHINE G.H., BOURQUE C.R. & LUQMAN M. Bolus injection of aqueous antigen leads to a high density of T-cell-receptor ligand in the spleen, transient T-cell activation and anergy induction, 513
SZABÓ C. *see* VIRÁG L.

TADA T. *see* TSUKAHARA A.
TAIBI A. *see* CORDEIRO DA SILVA A.
TAKEDA K. *see* TSUKAHARA A.
TAKEHARA T. *see* KANTO T.
TANABE Y. *see* XIONG H.
TANIGAWA Y. *see* NAKAMURA M.
TARKOWSKI A. *see* ZHAO Y.-X.
TATSUMI T. *see* KANTO T.
TESCH G.H. *see* CHADBAN S.J.
THIEL S. *see* LAURSEN S.B.
THIEN T. *see* PEETERS A.C.T.M.
THUAN A.T. *see* TRAO V.T.
TKACZYK C., VIGUIER M., BOUTIN Y., FRANDJI P., DAVID B., HÉBERT J. & MÉCHERI S. Specific antigen targeting to surface IgE and IgG on mouse bone marrow-derived mast cells enhances efficiency of antigen presentation, 318
TOCCE K., MASTERS G., RAGO C., PRIOR L., SUPPIAH K., GLYSING-JENSEN T., LEARY S. & RIGGS J. Increased serum IgG1 levels and reduced numbers of B-1 B cells in DBA/2J mice, 403
TOKUNAGA O. *see* HAQUE M.A.
TOMOKUNI A. *see* OTSUKI T.
TRACH D.D. *see* TRAO V.T.
TRAO V.T., HUONG P.L.T., THUAN A.T., ANH D.D., TRACH D.D., ROOK G.A.W. & WRIGHT E.P. Changes in cellular

response to mycobacterial antigens and cytokine production patterns in leprosy patients during multiple drug therapy, 197
TREJO V. *see* WANG Z.-Q.
TSUJI T. *see* XIN K.-Q.
TSUKAHARA A., IIAI T., MORODA T., TADA T., SUZUKI S., TAKEDA K., HATAKEYAMA K. & ABO T. An allogeneic microenvironment influences the phenotype of intermediate T-cell receptor cells expanding in MRL-*lpr*/*lpr* mice, 149
TSUNEMATSU T. *see* NAKAMURA M.

UEKI A. *see* OTSUKI T.
UEKI H. *see* OTSUKI T.
ULLRICH S.E., PRIDE M.W. & MOODYCLIFFE A.M. Antibodies to the costimulatory molecule CD86 interfere with ultraviolet radiation-induced immune suppression, 417

VAN DER MEER J.W.M. *see* NETEA M.G. *see also* PEETERS A.C.T.M.
VAN DER MEIDE P.H. *see* LI H.-L.
VAN IWAARDEN J.F. *see* BAKKER J.M.
VAN MEURS M. *see* VYTH-DREESE F.A.
VAN REES E.P. *see* BAKKER J.M.
VAN ROOIJEN N. *see* CLAASSEN I.J.T.M.
VARON D. *see* DEKEL B.
VASSILIADOU N. & BULMER J.N. Expression of CD69 activation marker by endometrial granulated lymphocytes throughout the menstrual cycle and in early pregnancy, 368
VEGA J.A. *see* GARCÍA-SUÁREZ O.
VERWEIJ W.R. *see* DE HAAN L.
VIGUIER M. *see* TKACZYK C.
VIRÁG L., SCOTT G.S., CUZZOCREA S., MARMER D., SALZMAN A.L. & SZABÓ C. Peroxynitrite-induced thymocyte apoptosis: the role of caspases and poly-(ADP-ribose) synthetase (PARS) activation, 345
VITIELLO M. *see* GALDIERO M.
VLIAGOFTIS H. *see* WAGELIE-STEFFEN A.L.
VYTH-DREESE F.A., BOOT H., DELLEMIJN T.A.M., MAJOOR D.M., OOMEN L.C.J.M., LAMAN J.D., VAN MEURS M., DE WEGER R.A. & DE JONG D. Localization *in situ* of costimulatory molecules and cytokines in B-cell non-Hodgkin's lymphoma, 580

WACK A. *see* MAINI M.K.
WAGELIE-STEFFEN A.L., HARTMANN K., VLIAGOFTIS H. & METCALFE D. D. Fas ligand (FasL, CD95L, APO-1L) expression in murine mast cells, 569
WALKER L.S.K., MCLEOD J.D., BOULOUGOURIS G., PATEL Y.I., HALL N.D. & SANSOM D.M. Down-regulation of CD28 via Fas (CD95): influence of CD28 on T-cell apoptosis, 41
WALLNER B.P. *see* SWITZER S.K.
WANG J. *see* DE GUISE S.
WANG Z.-Q., ORLIKOWSKY T., DUDHANE A., TREJO V., DANNECKER G.E., PERNIS B. & HOFFMANN M.K. Staphylococcal enterotoxin B-induced T-cell anergy is mediated by regulatory T cells, 331
WEBER S. *see* BLAHETA R.A.
WEDDERBURN L.R. *see* MAINI M.K.
WELKER P., GRABBE J., GRÜTZKAU A. & HENZ B.M. Effects of nerve growth factor (NGF) and other fibroblast-derived growth factors on immature human mast cells (HMC-1), 310
WENDT J. *see* LABUDA T.
WHITFIELD J.R. *see* BOROS D.L.
WILSCHUT J. *see* DE HAAN L.
WILSON R.A. *see* MABBOTT N.A.
WITTIG B. *see* BLAHETA R.A.
WOODHEAD V.E., BINKS M.H., CHAIN B.M. & KATZ D. R. From sentinel to messenger: an extended phenotypic analysis of the monocyte to dendritic cell transition, 552
WORM M., EBERMAYER K. & HENZ B. Lymphotoxin-α is an important autocrine factor for CD40 + interleukin-4-mediated B-cell activation in normal and atopic donors, 395
WRIGHT E.P. *see* TRAO V.T.

XIN K.-Q., HAMAJIMA K., SASAKI S., HONSHO A., TSUJI T., ISHII N., CAO X.-R., LU Y., FUKUSHIMA J., SHAPSHAK P., KAWAMOTO S. & OKUDA K. Intranasal administration of human immunodeficiency virus type-1 (HIV-1) DNA vaccine with interleukin-2 expression plasmid enhances cell-mediated immunity against HIV-1, 438
XIONG H., TANABE Y., OHYA S. & MITSUYAMA M. Administration of killed bacteria together with listeriolysin O induces protective immunity against *Listeria monocytogenes* in mice, 14

YACOUB M.H. *see* LIDINGTON E.A.
YANG X., HAYGLASS K.T. & BRUNHAM R. C. Different roles are played by αβ and γδ T cells in acquired immunity to *Chlamydia trachomatis* pulmonary infection, 469
YOUNG I.G. *see* BAO S.

ZEHRER C. *see* FÖLL J.L.
ZEVERING Y., KHAMBOONRUANG C. & GOOD M.F. Human and murine T-cell responses to allelic forms of a malaria circumsporozoite protein epitope support a polyvalent vaccine strategy, 445
ZHANG L. *see* GARCIA C.
ZHAO Y.-X, BRUNSBERG U., HOLMDAHL R. & TARKOWSKI A. Vβ11$^+$ T-lymphocyte expansion by toxic shock syndrome toxin-1 differs in mice bearing H-2^q versus H-2^b haplotypes, 1
ZHENG H. *see* KUMAR N.

Subject Index

Adjuvant arthritis, vaccination against:
with CD4 CD8 T cells, 536
Alveolar macrophages, rat:
functions during post-natal development, 304
Antibody production:
by human/mouse radiation chimera, 410
Anti-CD86 antibodies:
and ultraviolet-induced suppression, 417
Anti-immunoglobulin E:
effect on established immunoglobulin E response, 115
Apoptosis, in mature and immature T cells:
effect of FTY720, 503
Apoptosis, thymocyte:
role of poly-(ADP-ribose) synthetase, 345

B cells, early bone marrow:
and zinc deficiency, 94
B-1 B cells:
in DBA/2J mice, 403

C-reactive protein:
regulation of superoxide and nitric oxide, 560
C3c:
biological activities, 253
CD14:
role in lipopolysaccharide-induced stimulation, 340
$CD2^+$ cells:
evidence for veto function, 101
CD28:
influence on T-cell apoptosis, 41
CD28-triggered cytotoxicity:
involvement of protein kinase C-, 575
CD45R:
cetacean, 207
CD69 expression:
by endometrial granulocytes, 368
Cholera toxin B:
adjuvanticity, 22
Cytokine production:
effect of renin-angiotensin inhibitors, 376
Cytokine production, in ageing mice:
role of mRNA stability, 380
Cytotoxic T lymphocyte, hepatitis C specific:
inhibition by cross-linking of monocyte Fc receptors, 461

Delayed-type hypersensitivity, virus induced:
modulation by interleukin-10, 129
DNA:
immunostimulation by, 285
DNA vaccination, ovalbumin/IFN hybrid:
potentiation of T helper 1 responses, 135
DNA vaccine:
interleukin-2 expression plasmid as an adjuvant, 438

E-selectin binding epitopes:
on skin-homing T cells, 523
Experimental autoimmune encephalomyelitis:
nasal tolerance and protection against, 431

Fas ligand expression:
in murine mast cells, 569
Fas mRNA, soluble:
expression in silicosis, 258
FcRIIIa:
differential distribution in human tissues, 56

Fibroblast-derived growth factors:
effects on human mast cells, 310

Galectin-3:
in acute inflammation, 290
G_{M1} binding:
role in immunogenicity and adjuvanticity of LT and LTB, 424
Granulocyte colony-stimulating factor:
stimulation of neutrophils and macrophages in *Mycobacterium avium* infection, 297

Immune-stimulating complexes:
induction of cellular but not humoral immune responses to rabies antigen, 455
Immunodeficiency:
and anorexia nervosa, 543
Immunoglobulin synthesis:
role of interleukin-10 and CD27/CD70 interaction, 388
Immunosuppressive effects of mibefradil
213
Insulin-like growth factor:
expression in human lymphocytes, 173
Intracellular adhesion molecule-1:
inhibition of interleukin-10 production, 496
Interferon–activated enterocytes:
inhibition of *Toxoplasma gondii* replication, 488
Interleukin-10:
regulation of cytokine and granulomatous response in *Schistosomiasis mansoni* infection, 481
Interleukin-10 differential modulation of major histocompatibility complex class II by mesangial cells and macrophages, 72
Intestinal immunoglobulin A B1 cells:
dependence on interleukin-5, 181

Leprosy:
changes in cellular responses to mycobacterial antigens, 197
Listeriolysin O:
and protective immunity against listeria, 14
Lymph nodes, peripheral and mucosal:
lymphocyte surface marker and cytokine expression, 363
Lymphocyte adhesion:
effect of dietary fish oil, 79
Lymphoma, non-Hodgkin's:
localization of costimulatory molecules and cytokines, 580
Lymphotoxin-:
in B-cell activation, 395

Malaria circumsporozoite protein epitope:
T-cell responses to, 445
Malaria:
effect of immunization with phosphatidylcholine, 35
Mannan-binding lectin:
chicken, 587
Mannan-binding protein, chickens:
in infected and non-infected, 122
Mast cells:
antigen presentation by, 318
Migration, transendothelial, of T cells:
effects of monocytes, 221
Monocyte:
transition to dendritic cell, 552
Myocarditis:
induced by wild-type cytomagalovirus, 263

Natural killer function:
fetal, 109

Neutrophil receptor:
expression by thymic macrophages, 235

Pentaglobin:
in vitro immunomodulation, 279
Prostaglandin E_2 and fatty acids:
modulation of phagocytosis, 228
Protease-activated receptor-2, in skin:
and interleukin-8 secretion, 356

Qa-1 expression:
in pancreatic cells, 64

Reactive oxygen intermediates, defective formation:
in neonatal T cells, 167

Staphylococcal enterotoxin B:
inhibition of interleukin-4 in human mast cell line, 247
Stem cell factor:
effects on mast cells, 242
Superantigen-induced T-cell anergy:
mediated by regulatory T cells, 531

T cells:
roles in chlamydia immunity, 469
T-cell activation:
modulation by taurine chloramine, 325
T-cell anergy:
requirements for, 513
T-cell receptor cavity:
of staphylococcal enterotoxin B, 160
T-cell receptor expansion:
comparison of heteroduplex and CDR3 length-based techniques, 529
T-cell receptor:
and ubiquitin-like protein, 142
T-cell receptor^{int} cells:
in *lpr* mice, 149
T-cell subsets:
in response to *Salmonella typhimurium* porins, 5
Thymus-independent response:
epitope specific, 28
Toxic shock syndrome toxin-1:
$V11^+$ T-cell expansion, 1
Trypanosoma cruzi antigen, Tc24:
B-cell activator, 189
Trypanosomiasis:
in interferon- receptor mice, 476
Tumour necrosis factor receptor type 1, soluble:
anti-tumour mechanisms, 88
Tyrosine kinases:
and lysosomal routing of FcRI, 48

Uveitogenic epitopes, of retinal S-antigen:
antigen processing of, 271